

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025041.D
 Acq On : 29 Jun 2018 00:22
 Operator : MD/SY
 Sample : J3669-02ME
 Misc : 6.46g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-17-19-180620ME

Quant Time: Jun 29 05:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	224414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343287	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	335413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	172467	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
35) Dibromofluoromethane	4.89	113	131956	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
50) Toluene-d8	7.57	98	495531	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.32	95	206600	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	

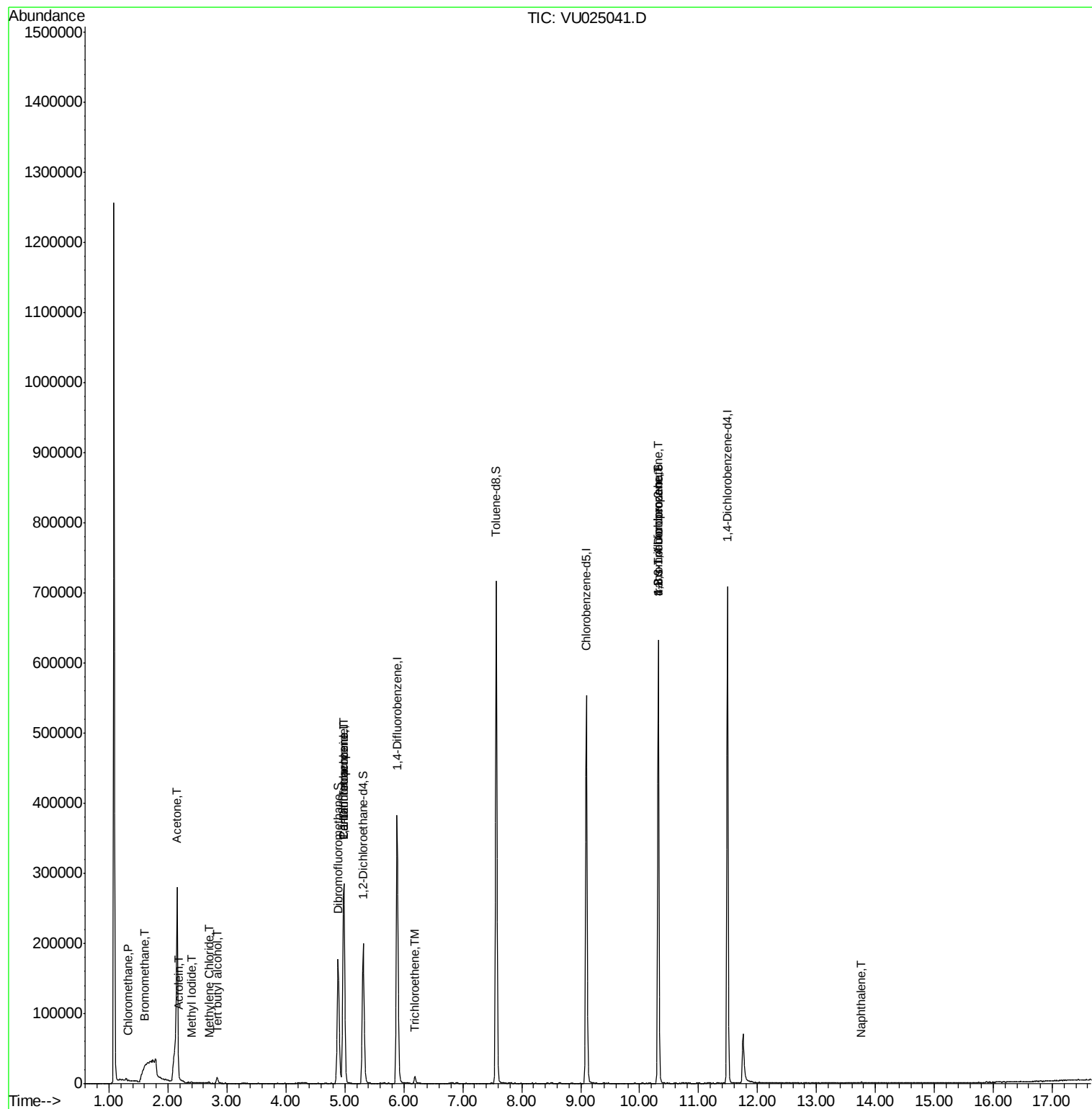
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1119	0.390	ug/l #	86
5) Bromomethane	1.60	94	1121	0.784	ug/l	99
6) Chloroethane	1.69	64	53	Below Cal	#	43
10) Methyl Iodide	2.39	142	1016	5.672	ug/l #	69
11) Tert butyl alcohol	2.83	59	4967	5.574	ug/l #	73
13) Acrolein	2.18	56	187	0.400	ug/l #	42
16) Acetone	2.15	43	74484	37.839	ug/l #	44
20) Methylene Chloride	2.69	84	1043	0.338	ug/l	97
31) Cyclohexane	4.99	56	4251	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	17013	4.218	ug/l #	52
38) Carbon Tetrachloride	4.98	117	22552	5.084	ug/l #	16
44) Trichloroethene	6.19	130	3811	1.165	ug/l	89
76) 1,2,3-Trichloropropane	10.32	75	108372	26.533	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	108372	61.409	ug/l #	100
95) Naphthalene	13.76	128	2784	0.881	ug/l #	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

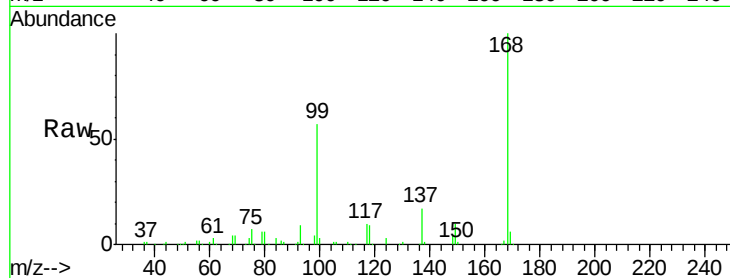
WP021SB484-17-19-180620ME

Tgt Ion:168 Resp: 224414

Ion Ratio Lower Upper

168 100

99 57.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025041.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025041.D (-1275) (-)

4.98

100000

80000

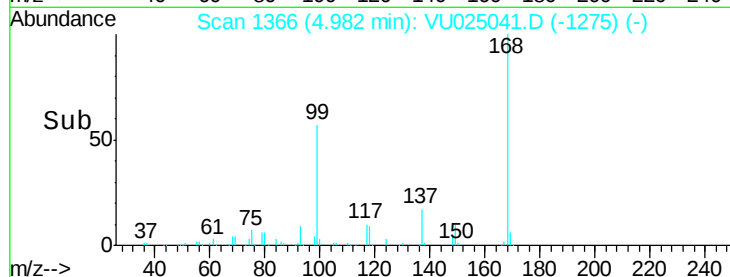
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.390 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU025041.D

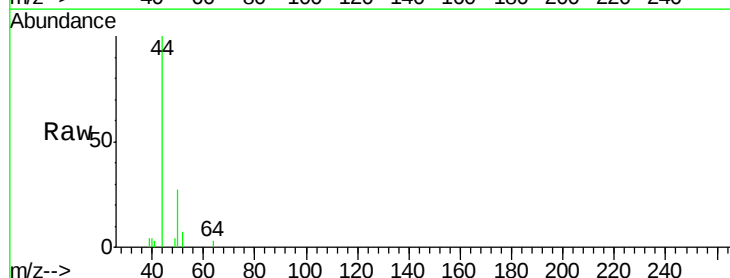
Acq: 29 Jun 2018 00:22

Tgt Ion: 50 Resp: 1119

Ion Ratio Lower Upper

50 100

52 25.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025041.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025041.D (-137) (-)

1.32

1000

800

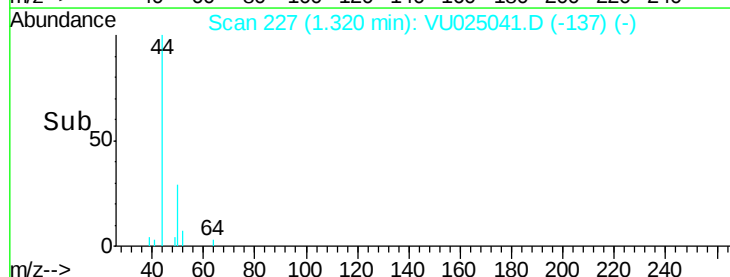
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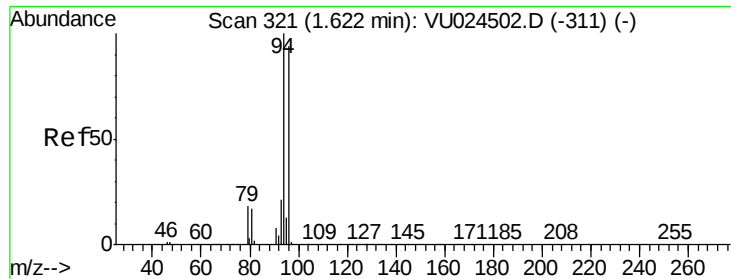
400

200

0

Time-->





#5

Bromomethane

Concen: 0.784 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

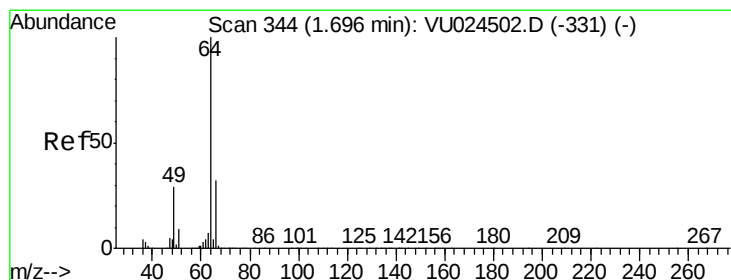
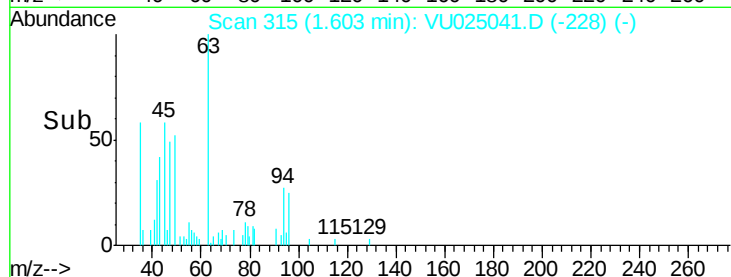
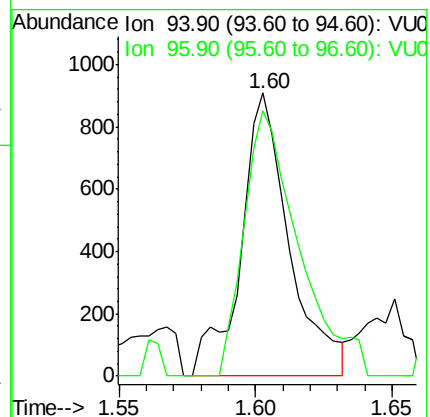
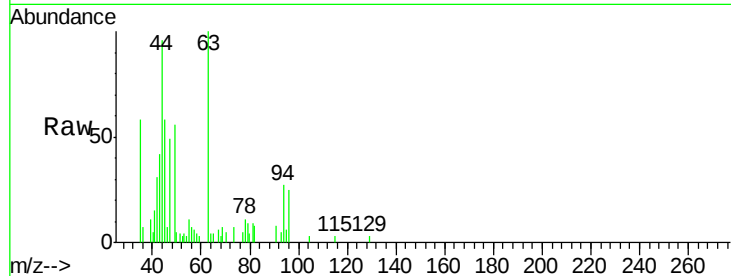
WP021SB484-17-19-180620ME

Tgt Ion: 94 Resp: 1121

Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025041.D

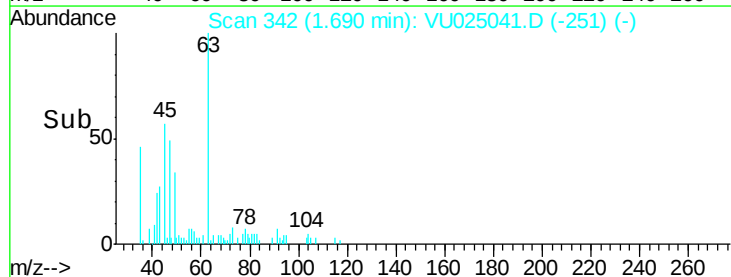
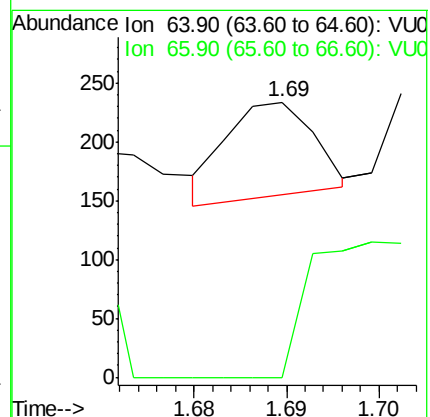
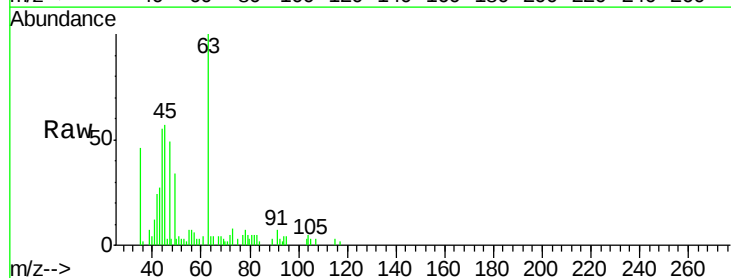
Acq: 29 Jun 2018 00:22

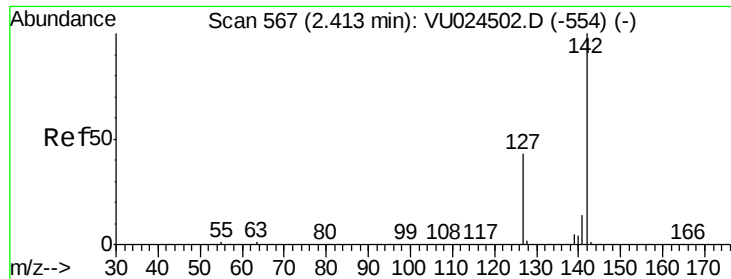
Tgt Ion: 64 Resp: 53

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methyl Iodide

Concen: 5.672 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

WP021SB484-17-19-180620ME

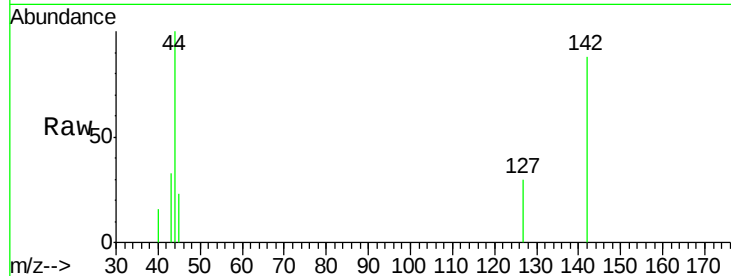
Tgt Ion:142 Resp: 1016

Ion Ratio Lower Upper

142 100

127 21.4 35.6 53.4#

141 7.3 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.39

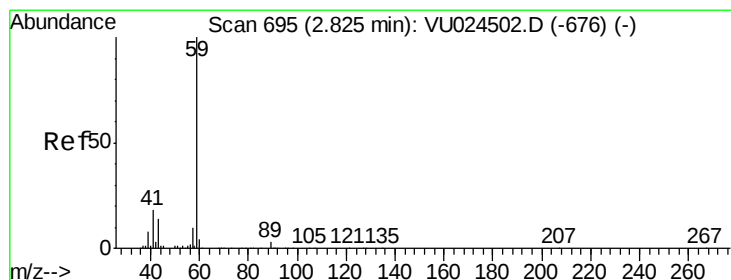
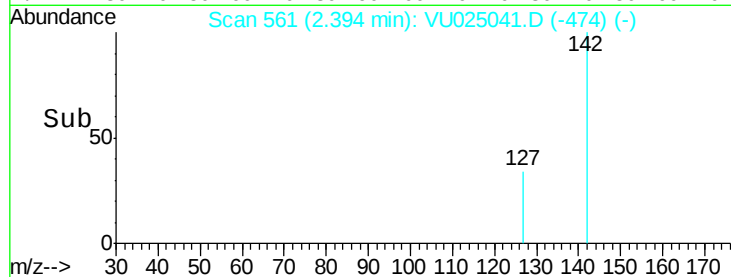
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 5.574 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU025041.D

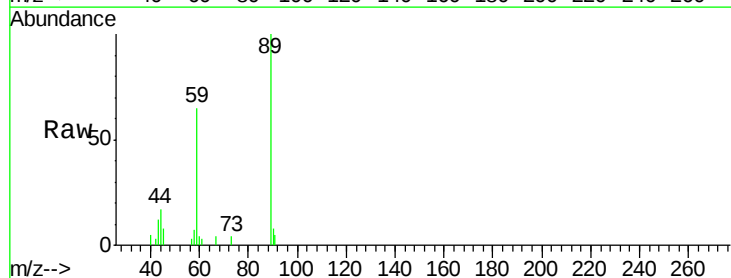
Acq: 29 Jun 2018 00:22

Tgt Ion: 59 Resp: 4967

Ion Ratio Lower Upper

59 100

57 0.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

2500

2000

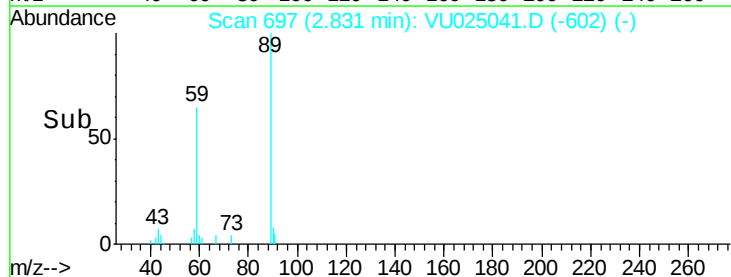
1500

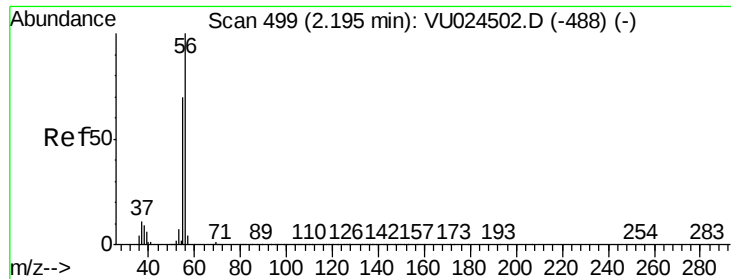
1000

500

0

Time-->





#13

Acrolein

Concen: 0.400 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

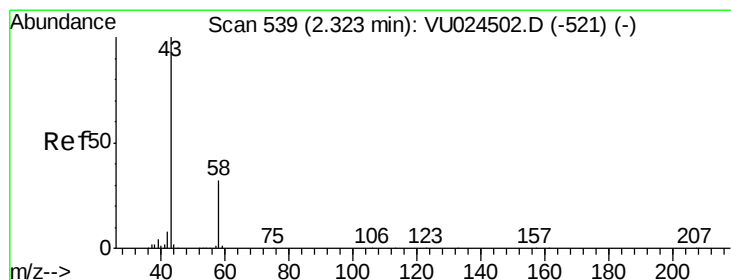
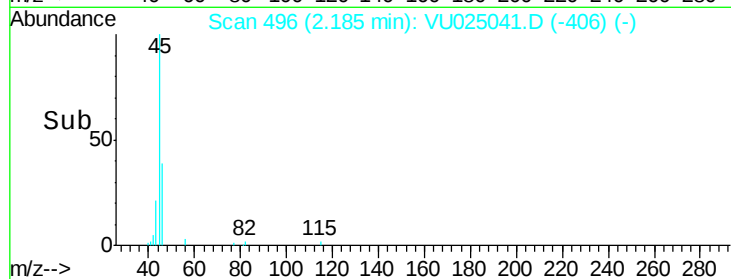
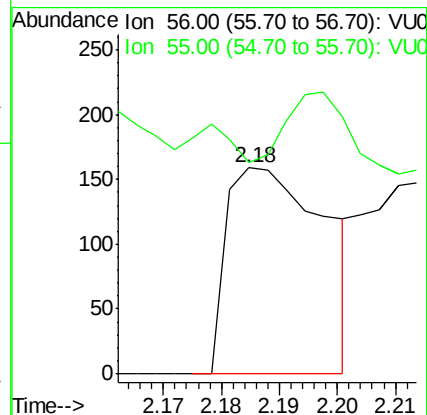
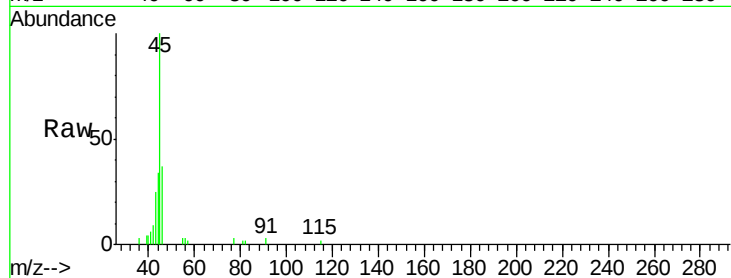
WP021SB484-17-19-180620ME

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 24.1 58.4 87.6#



#16

Acetone

Concen: 37.839 ug/l

RT: 2.15 min Scan# 486

Delta R.T. -0.17 min

Lab File: VU025041.D

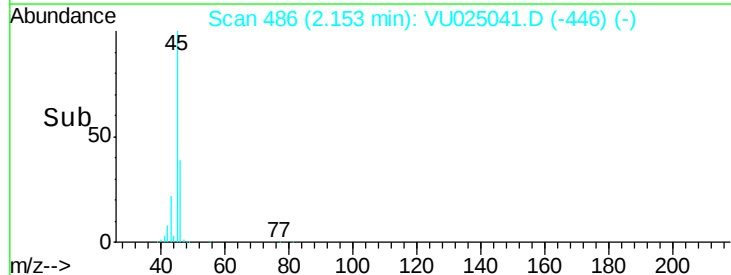
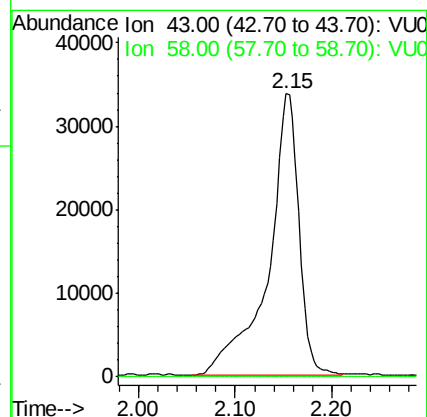
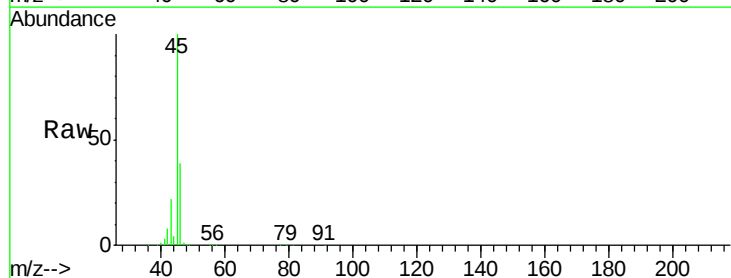
Acq: 29 Jun 2018 00:22

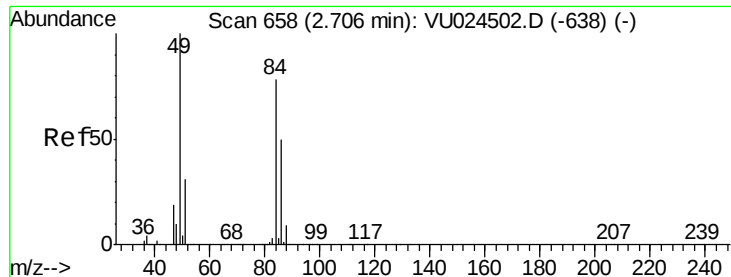
Tgt Ion: 43 Resp: 74484

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

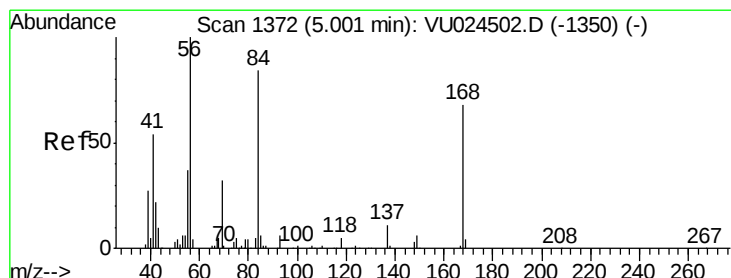
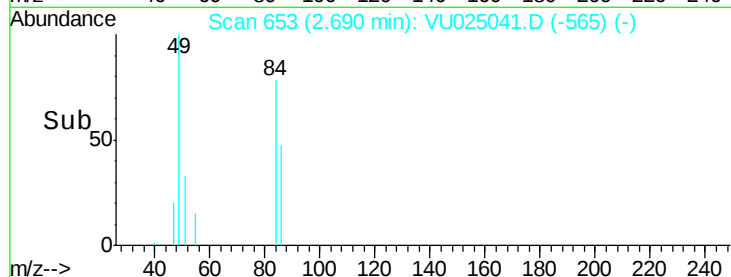
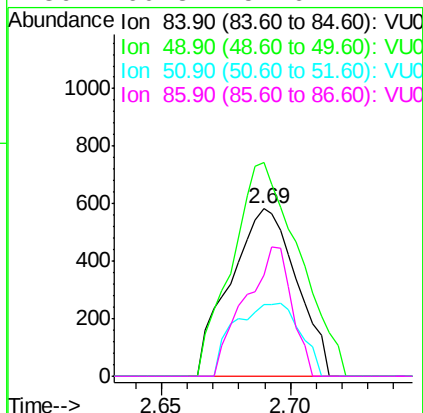
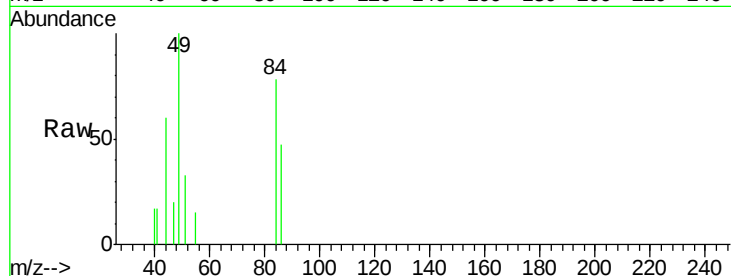




#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.69 min Scan# 653
Delta R.T. -0.02 min
Lab File: VU025041.D
Acq: 29 Jun 2018 00:22

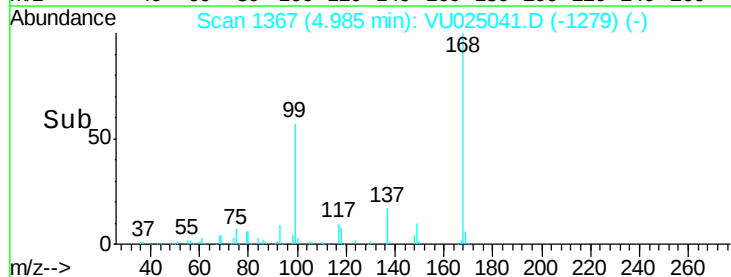
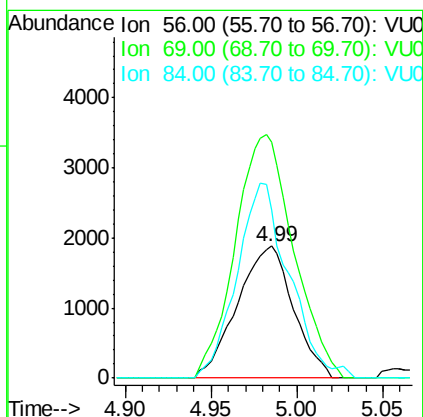
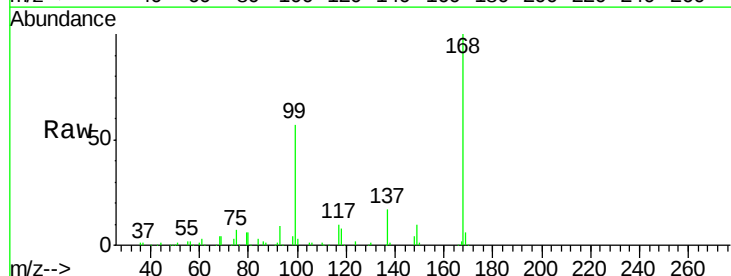
Instrument :
MSVOA_U
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WP021SB484-17-19-180620ME

Tgt Ion:	84	Resp:	1043
Ion	Ratio	Lower	Upper
84	100		
49	127.7	103.8	155.8
51	42.6	32.0	48.0
86	60.3	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025041.D
Acq: 29 Jun 2018 00:22

Tgt Ion:	56	Resp:	4251
Ion	Ratio	Lower	Upper
56	100		
69	179.1	24.8	37.2#
84	127.0	65.2	97.8#

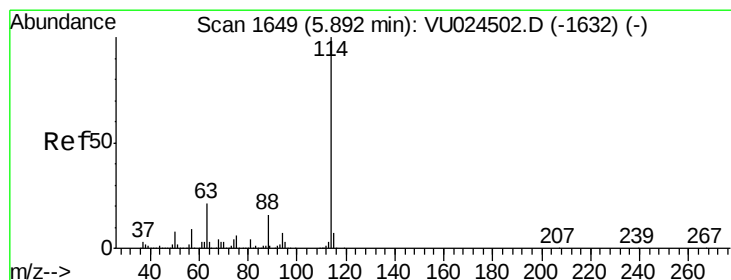
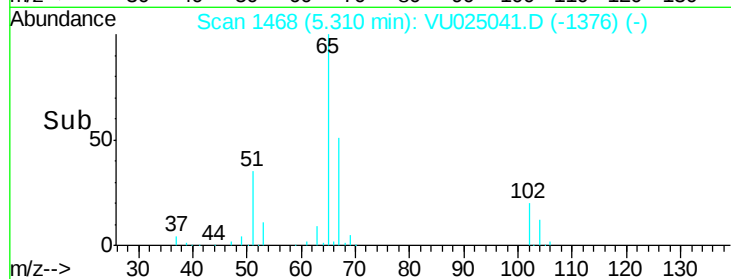
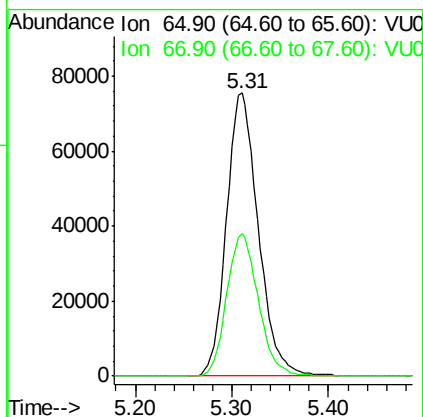
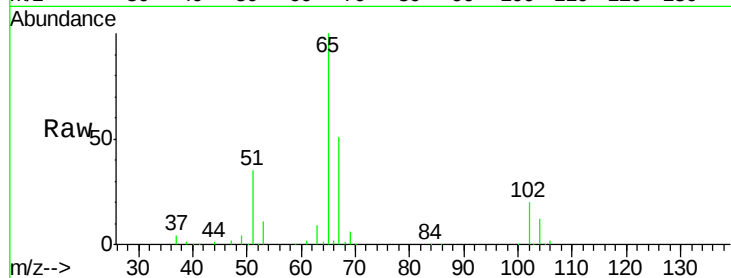




#33
 1,2-Dichloroethane-d4
 Concen: 47.076 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

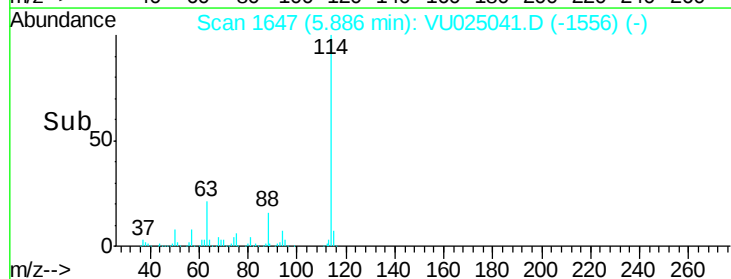
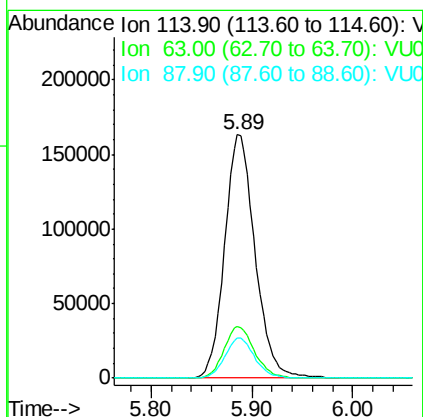
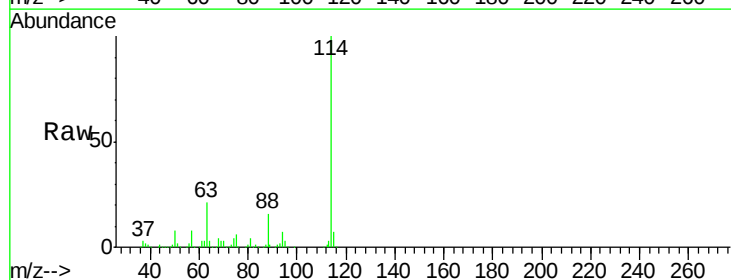
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-17-19-180620ME

Tgt Ion: 65 Resp: 172467
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

Tgt Ion: 114 Resp: 343287
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.4 0.0 31.0

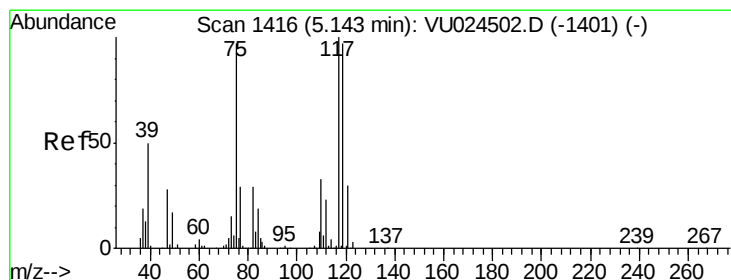
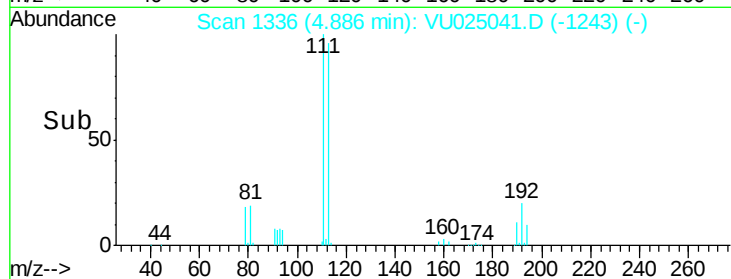
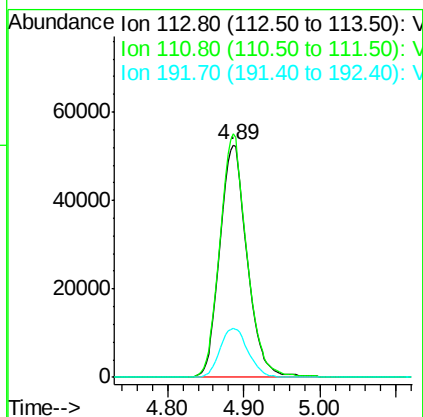
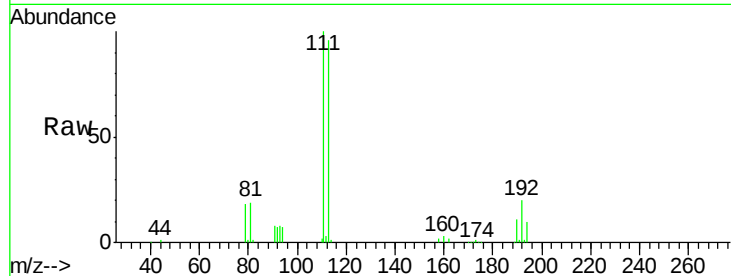




#35
 Dibromofluoromethane
 Concen: 46.316 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

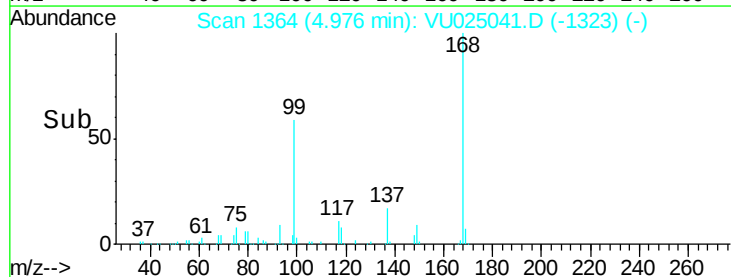
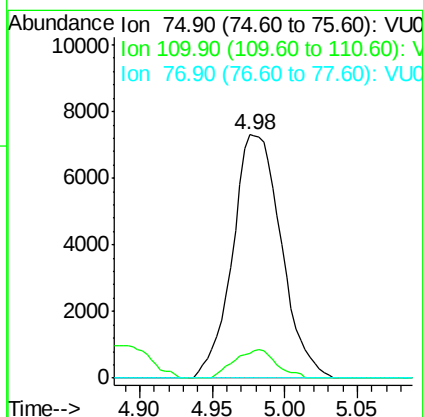
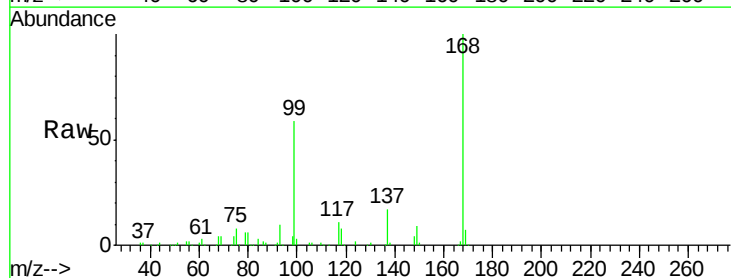
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-17-19-180620ME

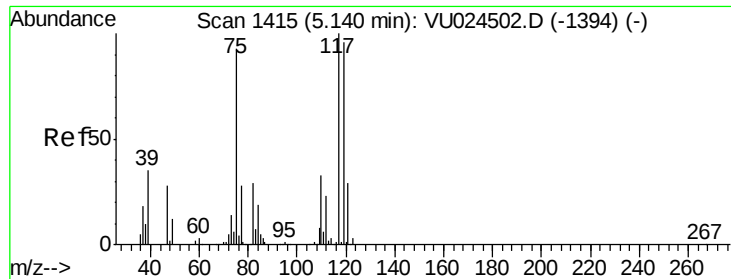
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	21.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.218 ug/l
 RT: 4.98 min Scan# 1364
 Delta R.T. -0.17 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.084 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

WP021SB484-17-19-180620ME

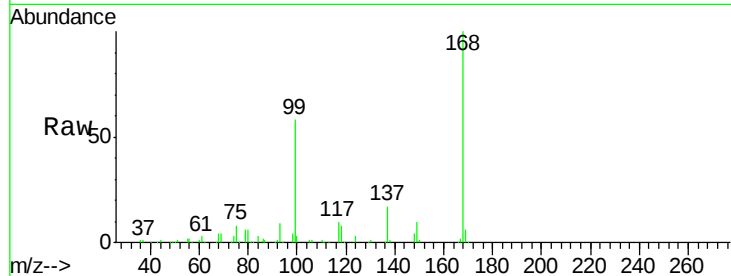
Tgt Ion:117 Resp: 22552

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

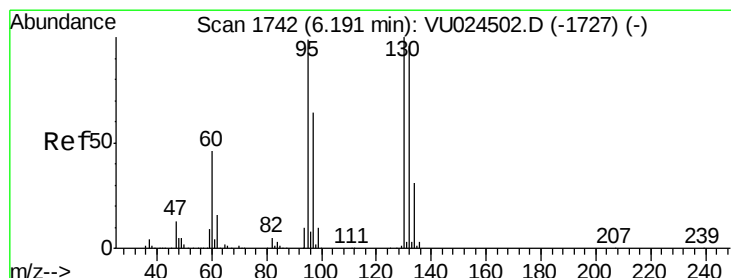
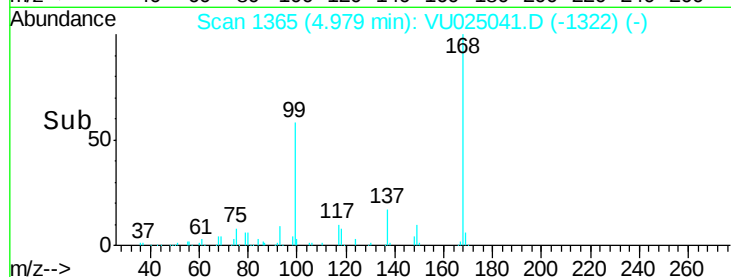
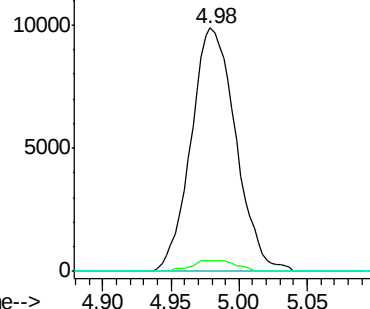
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.165 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025041.D

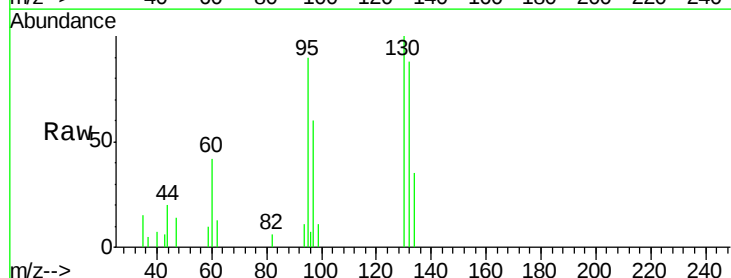
Acq: 29 Jun 2018 00:22

Tgt Ion:130 Resp: 3811

Ion Ratio Lower Upper

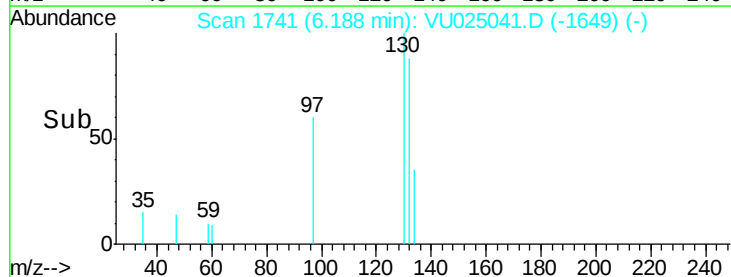
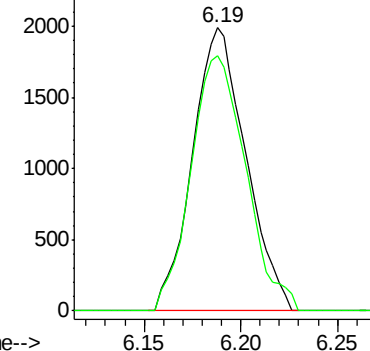
130 100

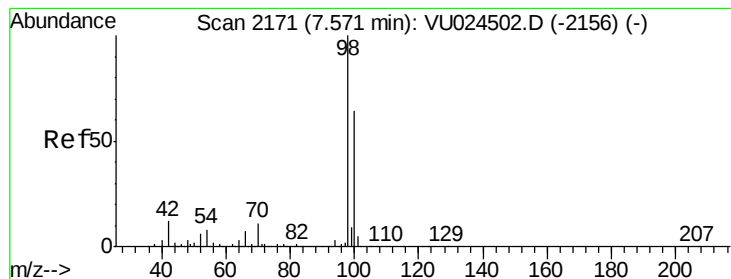
95 90.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.684 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

Instrument :

MSVOA_U

ClientSampleId :

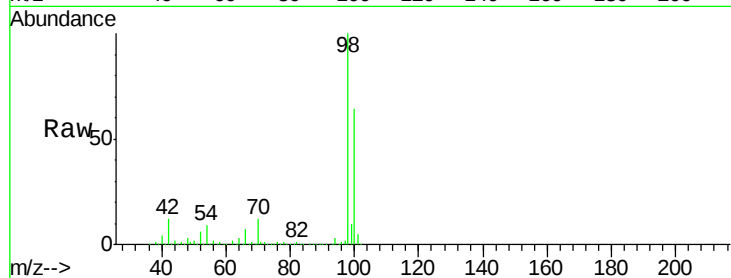
WP021SB484-17-19-180620ME

Tgt Ion: 98 Resp: 495531

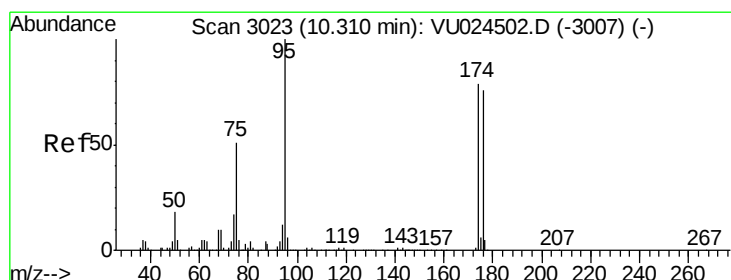
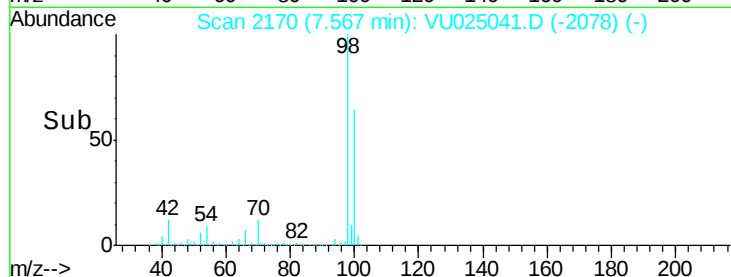
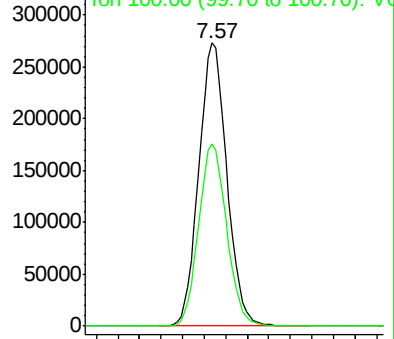
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#62

4-Bromofluorobenzene

Concen: 50.072 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025041.D

Acq: 29 Jun 2018 00:22

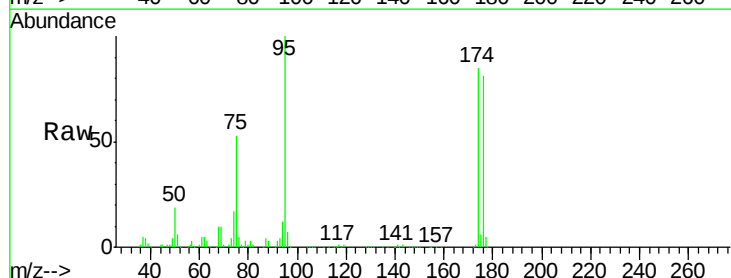
Tgt Ion: 95 Resp: 206600

Ion Ratio Lower Upper

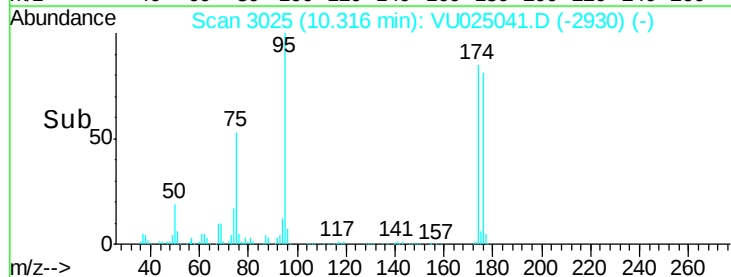
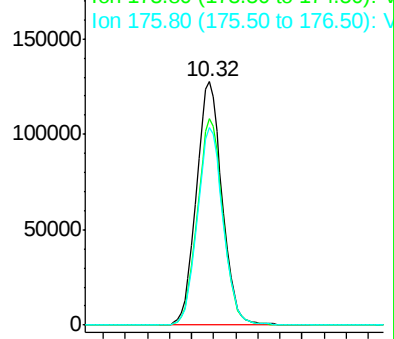
95 100

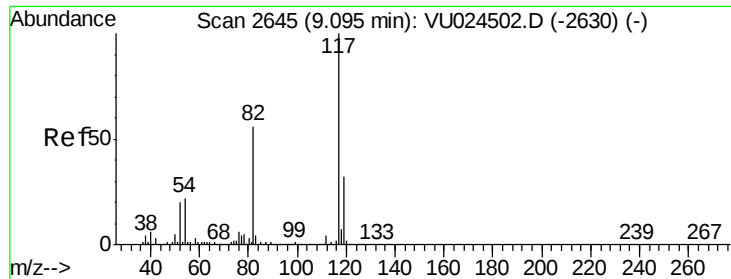
174 84.0 0.0 165.8

176 81.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

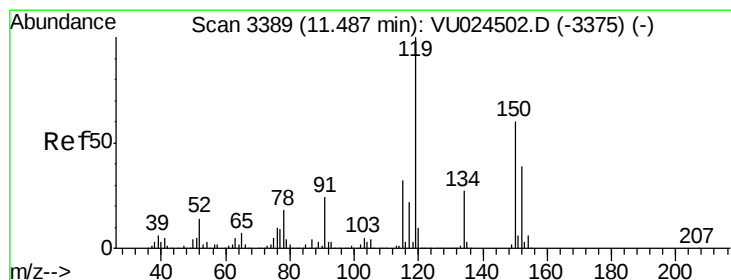
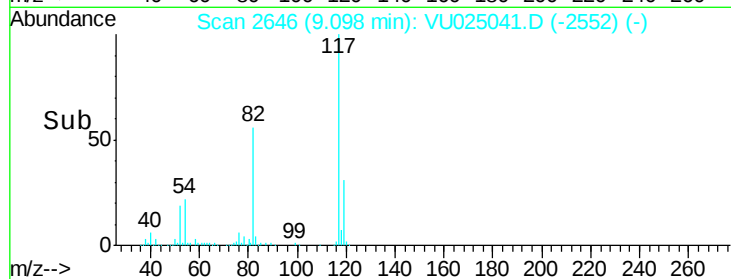
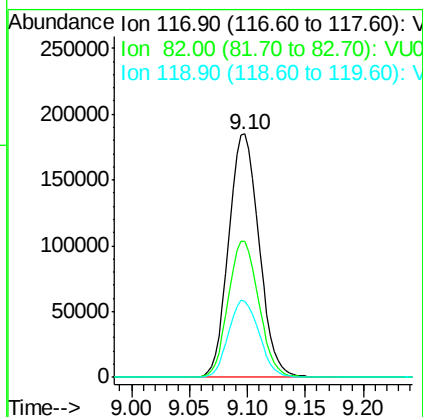
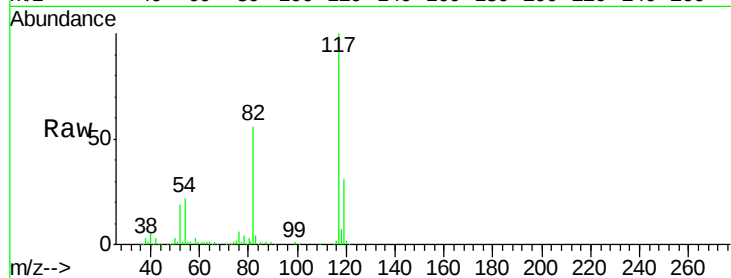




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025041.D
Acq: 29 Jun 2018 00:22

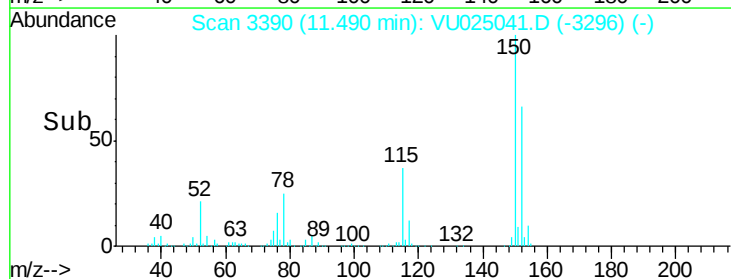
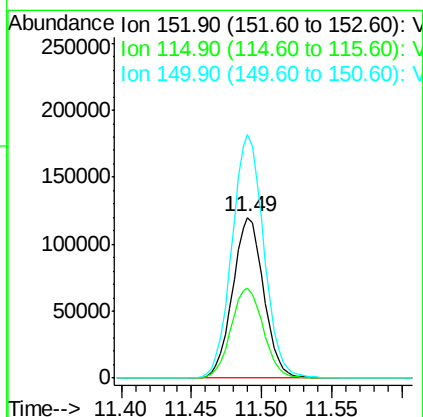
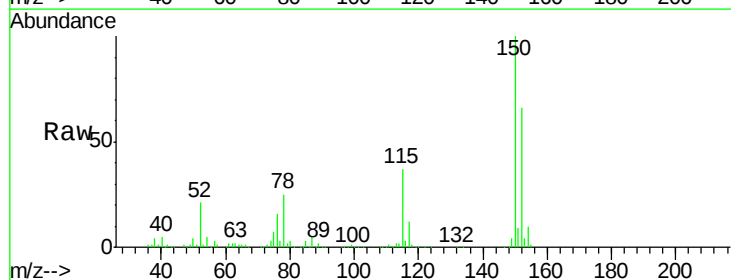
Instrument :
MSVOA_U
ClientSampleId :
WP021SB484-17-19-180620ME

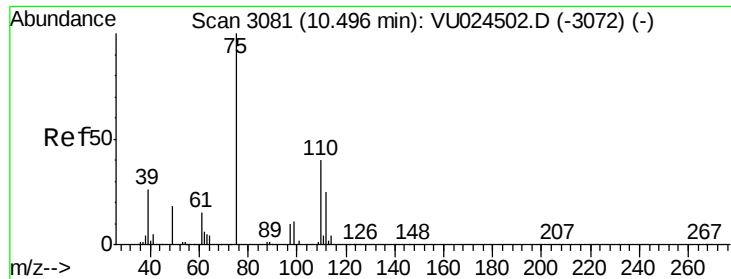
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	31.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025041.D
Acq: 29 Jun 2018 00:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	43.0	129.0
150	155.3	0.0	354.0

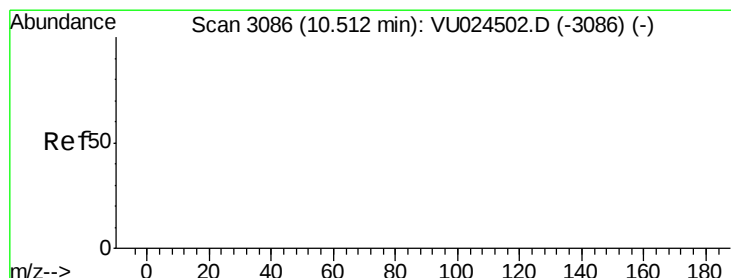
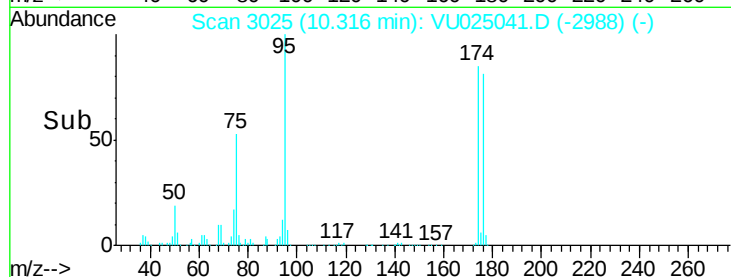
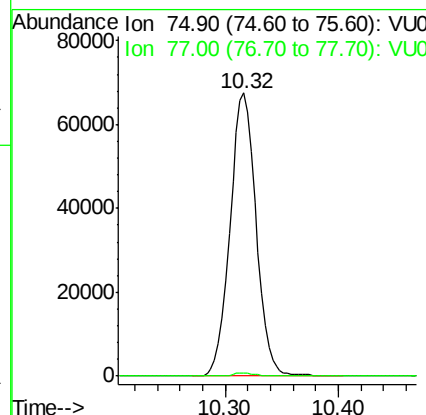
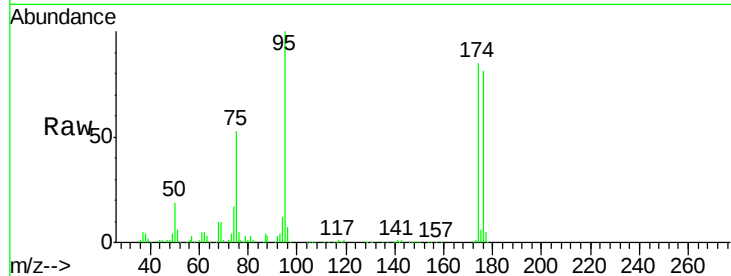




#76
 1,2,3-Trichloropropane
 Concen: 26.533 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.18 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

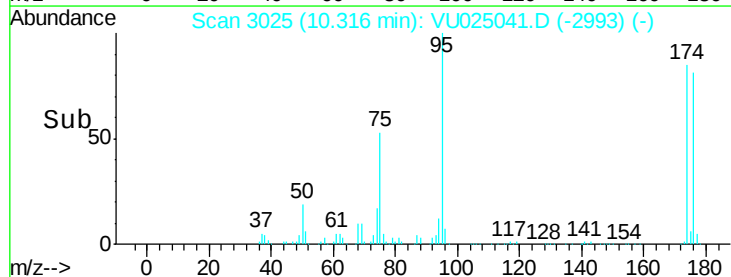
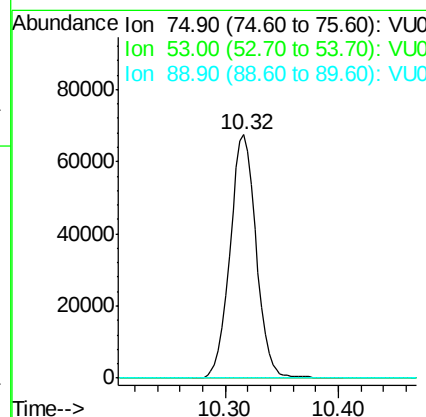
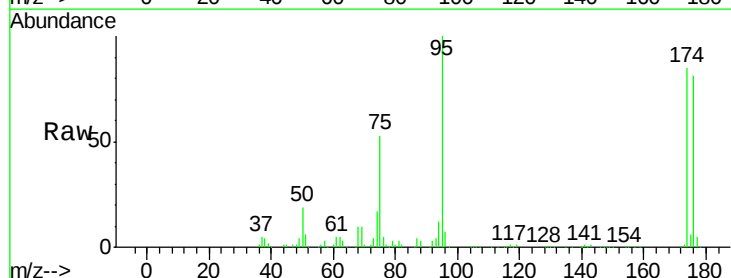
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-17-19-180620ME

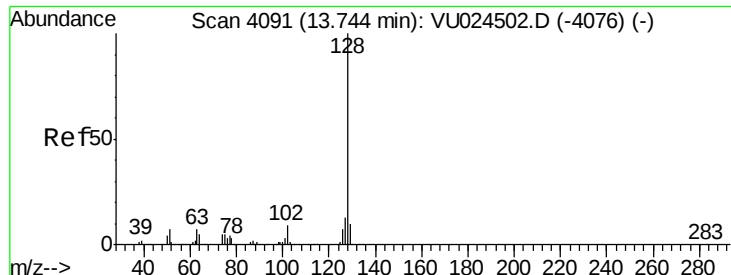
Tgt Ion: 75 Resp: 108372
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.409 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.20 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

Tgt Ion: 75 Resp: 108372
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95
 Naphthalene
 Concen: 0.881 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU025041.D
 Acq: 29 Jun 2018 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-17-19-180620ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	4.0	8.6	12.8#

